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Attorney Docket No. 016761/0170

THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Roy A. BLACK *et al.*

Appl. Serial No: ~~Unassigned~~ 10/057,321

Appl. Filing Date: September 24, 2001

Title: CRYSTALLINE TNF- $\alpha$ -CONVERTING ENZYME AND USES THEREOF

Examiner: S. Zhou

Art Unit: Unassigned

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**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 C.F.R. §1.97**

Commissioner for Patents  
Washington, D.C. 20231

Sir:

Submitted herewith on Form PTO/SB/08B is a listing of documents known to Applicants in order to comply with Applicants' duty of disclosure pursuant to 37 C.F.R. §1.56. With the exception of two articles, copies of the referenced documents are not enclosed, as they were submitted previously to the Patent Office in the parent application, U.S. Application Serial No. 09/244,984, filed on February 4, 1999. *See* 37 C.F.R. § 1.98 (d). The two articles cited by the U.S.P.T.O. in U.S. Application Serial No. 09/244,984 are enclosed.

The submission of any document herewith is not intended as an admission that such document constitutes prior art against the claims of the present application or is considered to be material to patentability as defined in 37 C.F.R. § 1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* prior art reference against the claims of the present application.

**TIMING OF DISCLOSURE**

The instant Information Disclosure Statement is being submitted in compliance with the provisions of 37 C.F.R. § 1.97(b), before the mailing of the first Office Action.

Applicants respectfully request that the listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08B be returned in accordance with M.P.E.P. § 609.

Respectfully submitted,

*Brian M C Cash*

*Reg NO. 48,571*

4 February 2002

Date

for

Stephen A. Bent

Reg. No. 29,768

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

FEB 04 2002

Date of Submission: February 4, 2001

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**Complete if Known**

Application Number	Unassigned
Filing Date	September 24, 2001
First Named Inventor	Roy A. BLACK et al.
Group Art Unit	Unassigned
Examiner Name	S. Zhou
Attorney Docket Number	016761/0170

Sheet 1 of 3

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
	A1	5,011,912		HOPP <i>et al.</i>	04/30/91	
	A2	5,583,973		DELISI <i>et al.</i>	12/10/96	
	A3	5,594,106		BLACK <i>et al.</i>	01/14/97	
	A4	5,702,935		SACCHETTINI <i>et al.</i>	12/30/97	
	A5	5,830,742		BLACK <i>et al.</i>	11/03/98	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
	A6	EP	EPO646599	A2		04/05/95		
	A7	WO	95/35367			12/28/95		
	A8	WO	96/41624			12/27/96		
	A9	WO	97/15588			05/01/97		
	A10	GB	2306961	A		05/14/97		
	A11	WO	97/08300			03/06/97		
	A12	WO	97/35538			10/02/97		

**OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.						T <sup>6</sup>
	A13	BEMELMANS <i>et al.</i>	<i>Critical Review in Immunology</i> , 16: 1-11 (1996).					
	A14	BLACK <i>et al.</i>	<i>Biochemical &amp; Biophysical Research Communications</i> , 225: 400-405 (1996).					
	A15	BLACK <i>et al.</i>	<i>Nature</i> , 385: 729-733 (1997).					
	A16	BODE <i>et al.</i>	<i>Febs Letters</i> , 331: 134-140 (1993).					

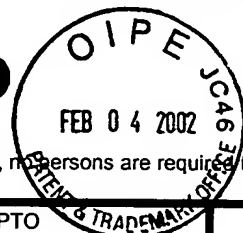
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Sheet 2 of 3

**Complete if Known**

Application Number	Unassigned
Filing Date	September 24, 2001
First Named Inventor	Roy A. BLACK et al.
Group Art Unit	Unassigned
Examiner Name	S. Zhou
Attorney Docket Number	016761/0170

**OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS**

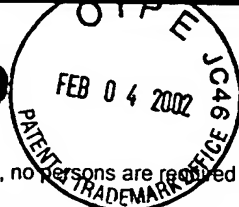
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>
	A17	CIRILLI <i>et al.</i> <i>Febs Letters</i> , 418: 319-322 (1997).	
	A18	DECICCO <i>et al.</i> Abstracts of Papers American Chemical Society, 214: 96 (1997).	
	A19	DIMARTINO <i>et al.</i> <i>Inflammation Research</i> , 46: 211-215 (1997).	
	A20	EVANS <i>J. Mol. Graphics</i> , 11: 127-128 & 134-138 (1993).	
	A21	GILLILAND <i>et al.</i> "Crystallization of Biological Macromolecules for X-Ray Diffraction Studies. Current Opinion in Structural Biology," 6: 595-603 (1996).	
	A22	GLUZMAN <i>Cell</i> , 23: 175-182 (1981).	
	A23	GOMIS-RUTH <i>et al.</i> <i>The Embo Journal</i> , 12: 4151-4157 (1993).	
	A24	GOMIS-RUTH <i>et al.</i> <i>J. Mol. Biol.</i> , 239: 513-544 (1994).	
	A25	GOMIS-RUTH <i>et al.</i> <i>Nature</i> , 389: 77-81 (1997).	
	A26	GOMIS-RUTH <i>et al.</i> <i>Protein Science</i> , 7: 283-292 (1998).	
	A27	GRAMS <i>et al.</i> <i>Eur. J. Biochem</i> , 228: 830-841 (1995)	
	A28	HOPP <i>et al.</i> <i>Bio/Technology</i> , 6: 1204-1210 (1988).	
	A29	JONES <i>et al.</i> <i>Nature</i> , 338: 225-228 (1989).	
	A30	KAUFMAN <i>Methods in Enzymology – Gene Expression Tech.</i> 185: 537-566 (1990).	
	A31	LUCKOW <i>et al.</i> <i>Bio/Technology</i> , 6: 47-55 (1988).	
	A32	LUNN <i>et al.</i> <i>Febs Letters</i> , 400: 333-335 (1997).	
	A33	MASKOS <i>et al.</i> <i>Proc. Natl. Acad. Sci., USA</i> , 95: 3408-3412 (1998)	
	A34	MOSS <i>et al.</i> <i>Nature</i> , 385: 733-736 (1997).	
	A35	NICHOLLS <i>et al.</i> Grasp: Graphical Representation and Analysis of Surface Properties (Abstract TU-POS189)	

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	A36	ROOKE et al. Science, 273: 1227-1231 (1996)	
	A37	RUTENBERGER et al. "Structure of a Non-Peptide Inhibitor Complexed With HIV-1 Protease," Journal of Biological Chemistry, 268: 15343-15346 (1993).	
	A38	SAUDEK et al. Biochemistry, 30: 7369-7372 (1991).	
	A39	SMITH "Mol View: A Program for Analyzing and Displaying Atomic Structures on the MacIntosh Personal Computer," J. Mol. Graph., 13: 122 (1995).	
	A40	STOCKER et al. Protein Science, 4: 823-840 (1995).	
	A41	TANG et al. Biochemistry, 35: 8216-8225 (1996).	
	A42	TANG et al. Biochemistry, 35: 8226-8233 (1996).	
	A43	WOLFSBERG et al. Development Biology, 180: 389-401 (1996).	
	A44	ZHANG et al. Proc. Natl. Acad. Sci., USA, 91: 8447-8451 (1994).	
	A45	Table of Contents in Protein Engineering, Alan R. Liss, Inc., New York, NY	

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